

SEQUENCE LISTING

70540 <110> Nelsestuen, Gary L.

<120> MODIFIED VITAMIN K-DEPENDENT
POLYPEPTIDES

<130> 09531/002001

<140> 08/955,636

<141> 1997-10-23

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<210> 1

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> MOD_RES

<222> (0)...(0)

<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 1

Ala	Asn	Ser	Phe	Leu	Xaa	Xaa	Leu	Arg	His	Ser	Ser	Leu	Xaa	Arg	Xaa
1				5				10					15		
Cys	Ile	Xaa	Xaa	Ile	Cys	Asp	Phe	Xaa	Xaa	Ala	Lys	Xaa	Ile	Phe	Gln
			20					25					30		
Asn	Val	Asp	Asp	Thr	Leu	Ala	Phe	Trp	Ser	Lys	His				
		35					40								

<210> 2

<211> 44

<212> PRT

<213> Bos taurus

<220>

<221> MOD_RES

<222> (0)...(0)

<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 2

Ala	Asn	Ser	Phe	Leu	Xaa	Xaa	Leu	Arg	Pro	Gly	Asn	Val	Xaa	Arg	Xaa
1				5				10					15		
Cys	Ser	Xaa	Xaa	Val	Cys	Xaa	Phe	Xaa	Xaa	Ala	Arg	Xaa	Ile	Phe	Gln
			20					25					30		
Asn	Thr	Xaa	Asp	Thr	Met	Ala	Phe	Trp	Ser	Phe	Tyr				

35

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 <223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 3

Ala	Asn	Ala	Phe	Leu	Xaa	Xaa	Leu	Arg	Pro	Gly	Ser	Leu	Xaa	Arg	Xaa
1				5					10					15	
Cys	Lys	Xaa	Xaa	Gln	Cys	Ser	Phe	Xaa	Xaa	Ala	Arg	Xaa	Ile	Phe	Lys
			20					25					30		
Asp	Ala	Xaa	Arg	Thr	Lys	Leu	Phe	Trp	Ile	Ser	Tyr				
		35					40								

<210> 4
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 <213> Bos taurus

<220>
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<400> 4

Ala	Asn	Gly	Phe	Leu	Xaa	Xaa	Leu	Arg	Pro	Gly	Ser	Leu	Xaa	Arg	Xaa
1				5					10					15	
Cys	Arg	Xaa	Xaa	Leu	Cys	Ser	Phe	Xaa	Xaa	Ala	His	Xaa	Ile	Phe	Arg
			20					25					30		
Asn	Xaa	Xaa	Arg	Thr	Arg	Gln	Phe	Trp	Val	Ser	Tyr				
		35					40								

<210> 5
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<400> 5

Tyr	Asn	Ser	Gly	Lys	Leu	Xaa	Xaa	Phe	Val	Gln	Gly	Asn	Leu	Xaa	Arg
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Xaa	Cys	Met	Xaa	Xaa	Lys	Cys	Ser	Phe	Xaa	Xaa	Ala	Arg	Xaa	Val	Phe
			20					25					30		

Xaa Asn Thr Xaa Arg Thr Thr Xaa Phe Trp Lys Gln Tyr
 35 40 45

<210> 6
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<400> 6
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 Xaa Cys Met Xaa Xaa Lys Cys Ser Phe Xaa Xaa Ala Arg Xaa Val Phe
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 Xaa Asn Thr Xaa Lys Arg Thr Thr Xaa Phe Trp Lys Gln Tyr
 35 40 45

<210> 7
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 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Protein C mutagenic oligonucleotide

<400> 7
 aaattaatac gactcactat agggagaccc aagctt

36

<210> 8
 <211> 42
 <212> DNA
 <213> Artificial Sequence
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 <223> Protein C mutagenic oligonucleotide

<400> 8
 gcactcccgc tccaggctgc tgggacggag ctctccagg aa

42

<210> 9
 <211> 36
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Protein C mutagenic oligonucleotide

<400> 9
 acgctccacg ttgccgtgcc gcagctctc taggaa

36

<210> 10
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 10
ttcctagagg agctgcggca cggcaacgtg gagcgt 36

<210> 11
<211> 36
<212> DNA
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<400> 11
gcatttaggt gacactatag aatagggccc tctaga 36

<210> 12
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gaaggccatt gtgtcttccg tgtcttcgaa aatctcccga gc 42

<210> 13
<211> 36
<212> DNA
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<220>
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<400> 13
cagtgtgtca tccacatctt cgaaaatttc cttggc 36

<210> 14
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Protein C mutagenic oligonucleotide

<400> 14
gccaaggaaa ttttcgaaga tgtggatgac acactg

36

<210> 15
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<212> DNA
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<220>
<223> Protein C mutagenic oligonucleotide

<400> 15
cagtgtgtca tccacatttt cgaaaatttc cttggc

36

<210> 16
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<400> 16
gccaaggaaa ttttcgaaaa tgtggatgac acactg

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<210> 17
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<400> 17
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1 5 10 15
Xaa Cys Leu Xaa Xaa Pro Cys Ser Arg Xaa Xaa Ala Phe Xaa Ala Leu
20 25 30
Xaa Ser Leu Ser Ala Thr Asp Ala Phe Trp Ala Lys Tyr
35 40 45

<210> 18
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<212> PRT
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<223> Xaa=gamma carboxyglutamic acid or glutamic acid

<400> 18

Ala	Asn	Ser	Phe	Leu	Xaa	Xaa	Val	Lys	Gln	Gly	Asn	Leu	Xaa	Arg	Xaa
1				5					10					15	
Cys	Leu	Xaa	Xaa	Ala	Cys	Ser	Leu	Xaa	Xaa	Ala	Arg	Xaa	Val	Phe	Xaa
			20					25					30		
Asp	Ala	Xaa	Gln	Thr	Asp	Xaa	Phe	Trp	Ser	Lys	Tyr				
		35					40								